

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
 Data File : VN067800.D
 Acq On : 19 Jul 2021 18:01
 Operator : JC/MD
 Sample : M3088-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 20 04:53:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

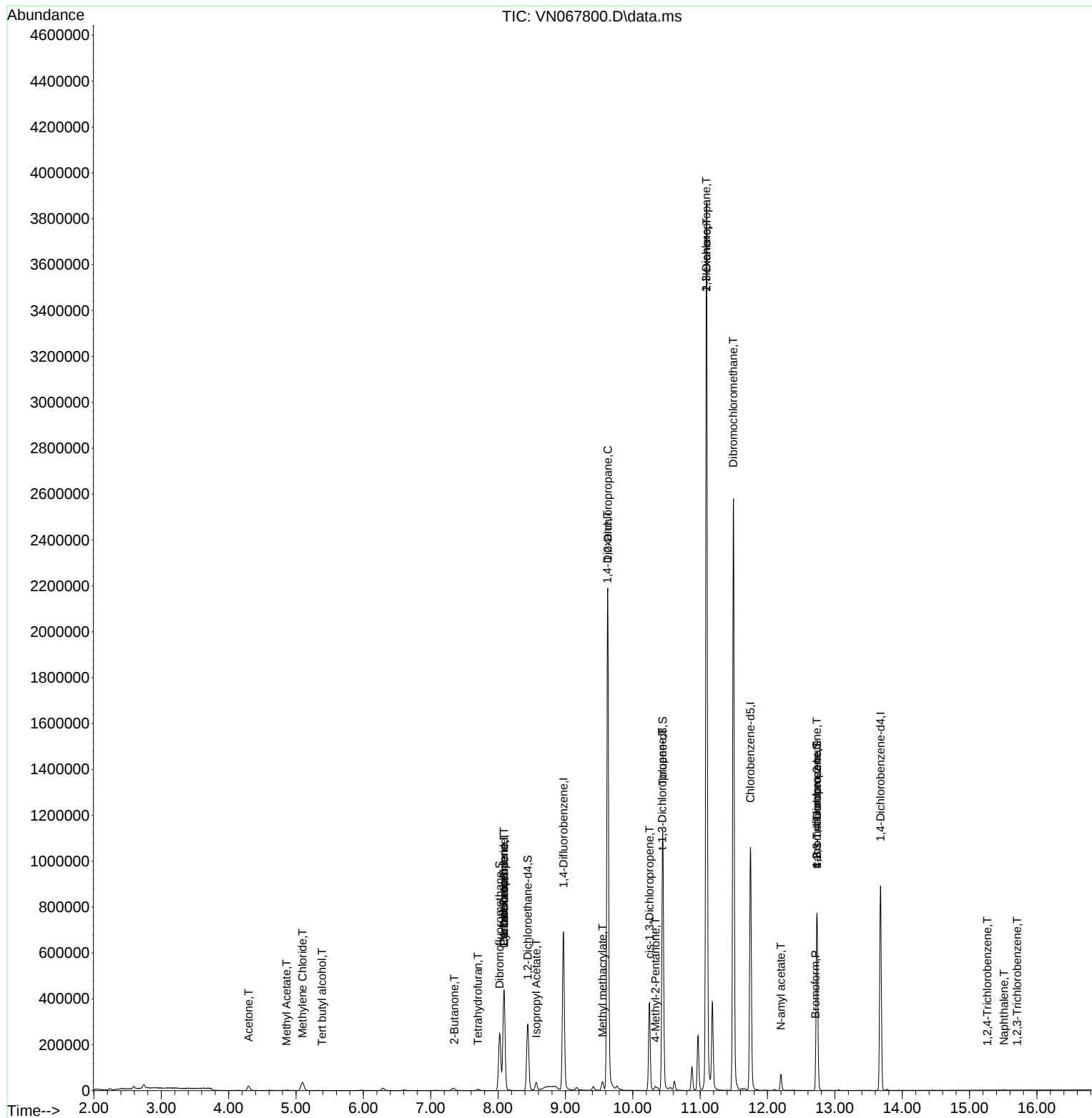
Internal Standards						
1) Pentafluorobenzene	8.088	168	313043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	597761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	622163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	228795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	248765	52.581	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.160%			
35) Dibromofluoromethane	8.024	113	183263	50.744	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.480%			
50) Toluene-d8	10.443	98	781912	51.724	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.734	95	273669	51.247	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.500%			
Target Compounds						
5) Bromomethane	2.875	94	797	Below Cal		87
6) Chloroethane	3.044	64	89	Below Cal	#	20
11) Tert butyl alcohol	5.385	59	389	0.572 ug/l	#	71
13) Acrolein	4.041	56	139	Below Cal		84
16) Acetone	4.296	43	36153	24.286 ug/l		98
18) Methyl Acetate	4.859	43	1429	0.342 ug/l		99
20) Methylene Chloride	5.095	84	29474	7.895 ug/l		85
25) 2-Butanone	7.351	43	8573	3.468 ug/l		93
29) Tetrahydrofuran	7.699	42	4631	2.849 ug/l	#	66
31) Cyclohexane	8.086	56	8926	1.346 ug/l	#	34
36) 1,1-Dichloropropene	8.086	75	27941	5.032 ug/l	#	48
38) Carbon Tetrachloride	8.088	117	35896	6.554 ug/l	#	17
43) Isopropyl Acetate	8.568	43	40732	4.304 ug/l	#	92
45) 1,2-Dichloropropane	9.630	63	2858	0.679 ug/l	#	44
48) Methyl methacrylate	9.553	41	10374	2.478 ug/l	#	12
49) 1,4-Dioxane	9.622	88	226	34.760 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.336	43	8513	1.464 ug/l	#	76
53) t-1,3-Dichloropropene	10.435	75	26	1.748 ug/l	#	1
54) cis-1,3-Dichloropropene	10.247	75	66150	10.190 ug/l	#	61
57) 1,3-Dichloropropane	11.092	76	40467	5.656 ug/l	#	43
59) 2-Hexanone	11.095	43	607561	149.709 ug/l	#	53
60) Dibromochloromethane	11.492	129	253	2.404 ug/l	#	11
71) Bromoform	12.712	173	88	3.196 ug/l	#	29
74) N-amyl acetate	12.197	43	22149	3.307 ug/l	#	56
76) 1,2,3-Trichloropropane	12.734	75	152387	32.614 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.734	75	152387	105.152 ug/l	#	6
93) 1,2,4-Trichlorobenzene	15.265	180	171	2.717 ug/l	#	17
95) Naphthalene	15.509	128	1925	3.174 ug/l	#	75
96) 1,2,3-Trichlorobenzene	15.705	180	52	2.646 ug/l	#	12

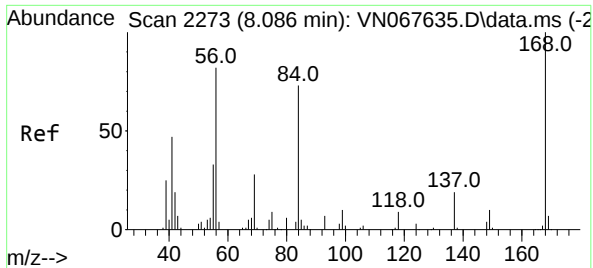
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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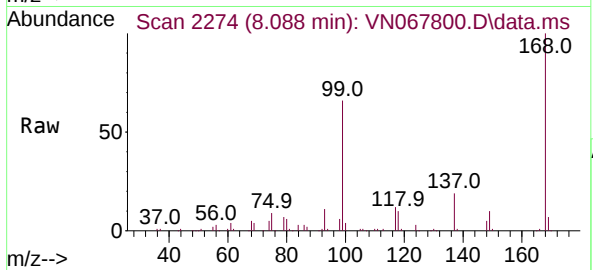
Quant Time: Jul 20 04:53:45 2021
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Quant Title : SW846 8260
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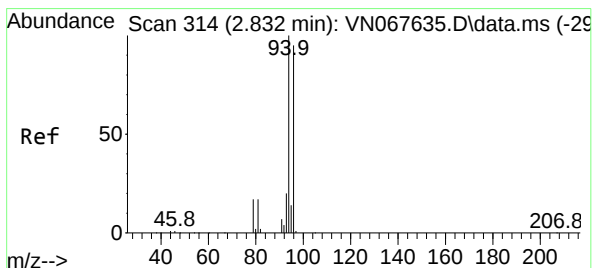
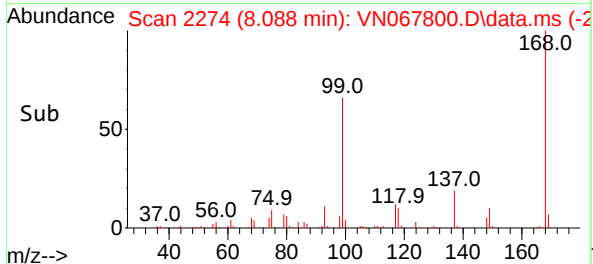
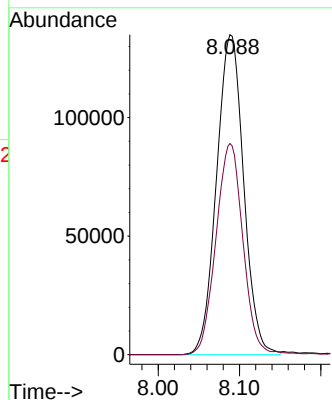


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Instrument :
MSVOA_N
ClientSampled :

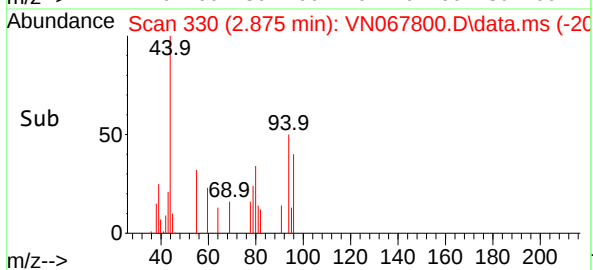
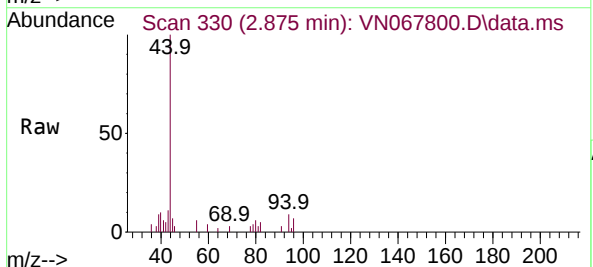
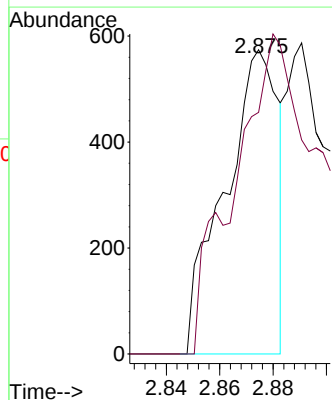


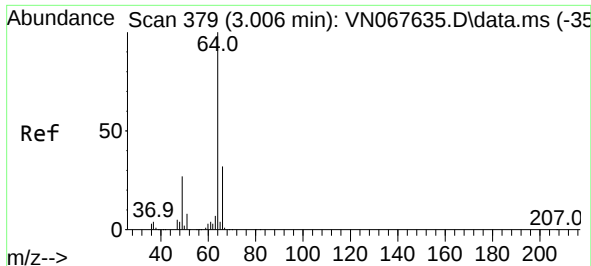
Tgt Ion:168 Resp: 313043
Ion Ratio Lower Upper
168 100
99 66.0 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 330
Delta R.T. 0.043 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

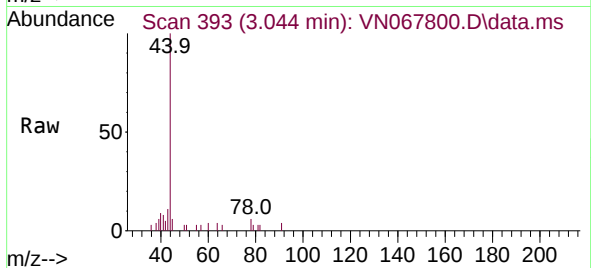
Tgt Ion: 94 Resp: 797
Ion Ratio Lower Upper
94 100
96 79.4 73.7 110.5



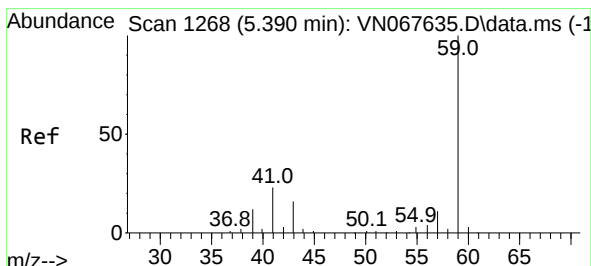
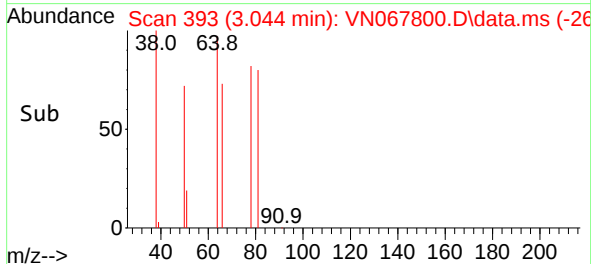
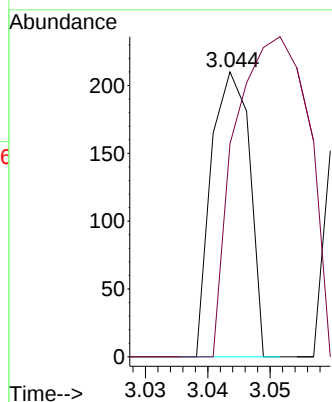


#6
Chloroethane
Concen: Below Cal
RT: 3.044 min Scan# 393
Delta R.T. 0.038 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Instrument :
MSVOA_N
ClientSampled :

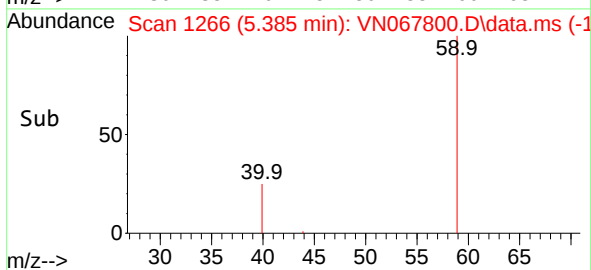
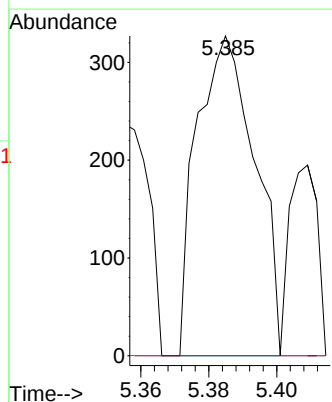
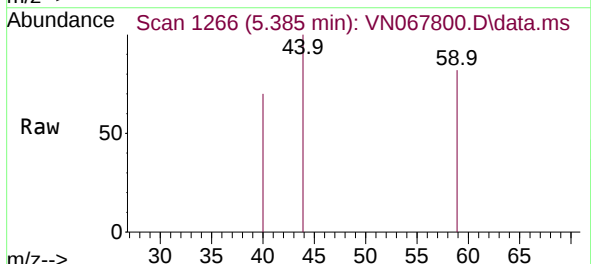


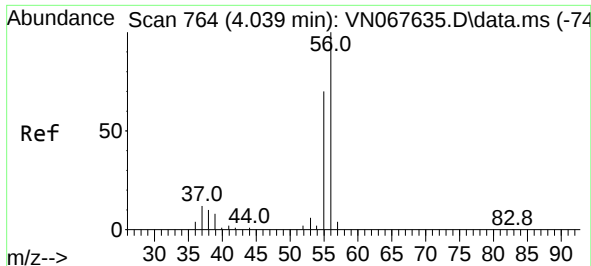
Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 74.8 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.572 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

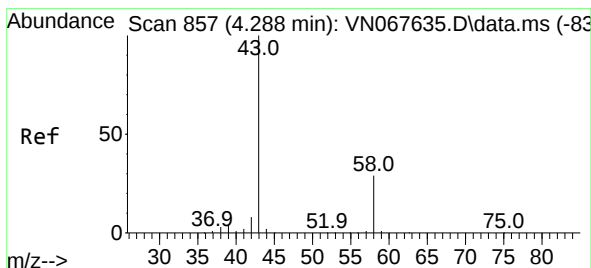
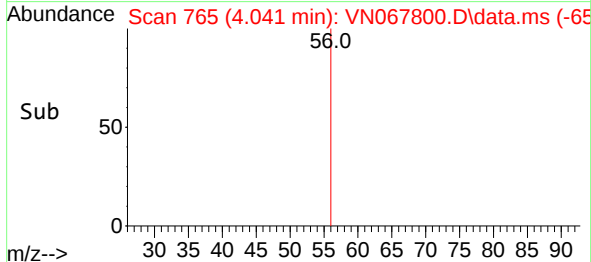
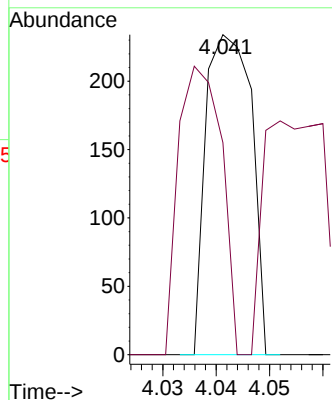
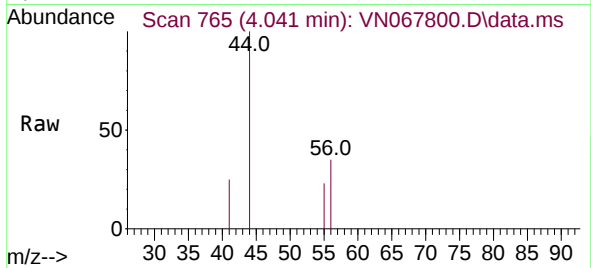




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

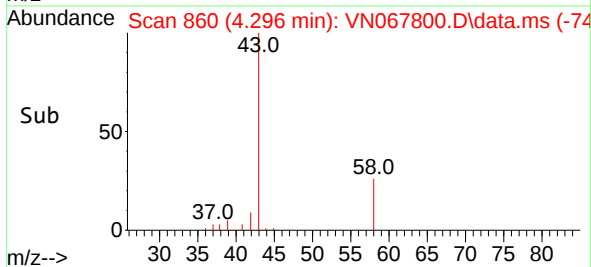
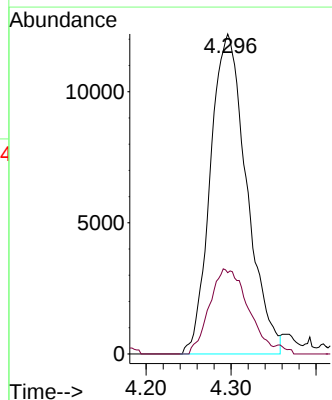
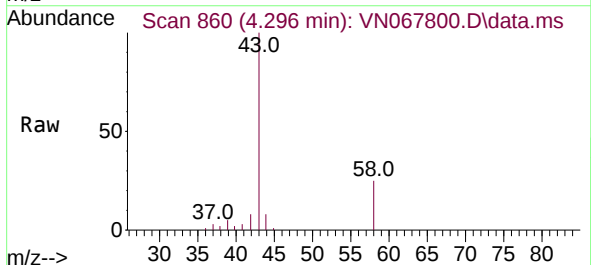
Instrument :
MSVOA_N
ClientSampled :

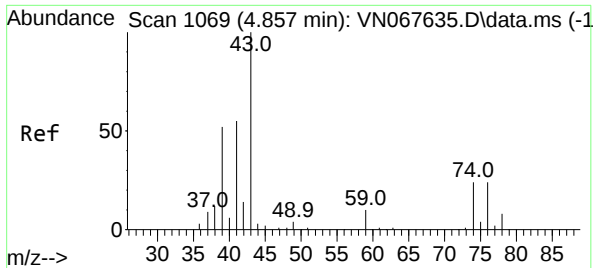
Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 84.9 57.4 86.0



#16
Acetone
Concen: 24.286 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 43 Resp: 36153
Ion Ratio Lower Upper
43 100
58 25.4 21.2 31.8

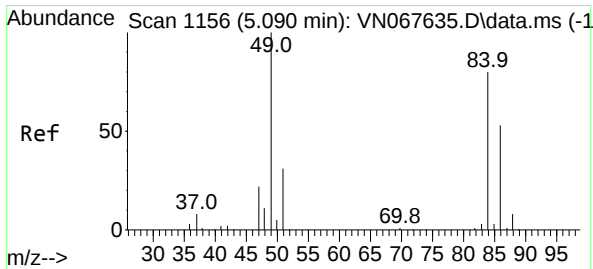
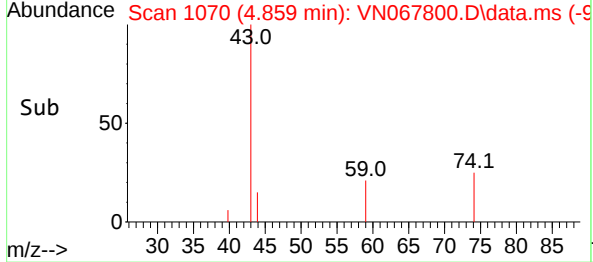
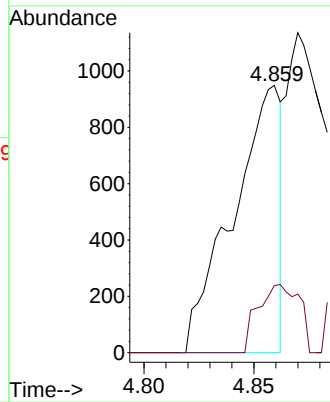
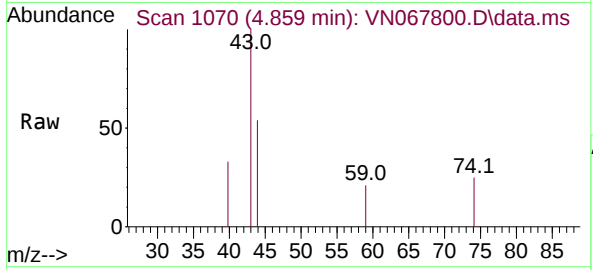




#18
Methyl Acetate
Concen: 0.342 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.002 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

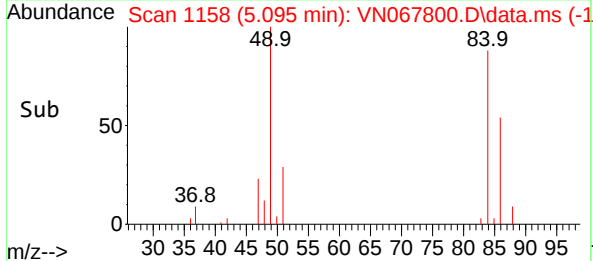
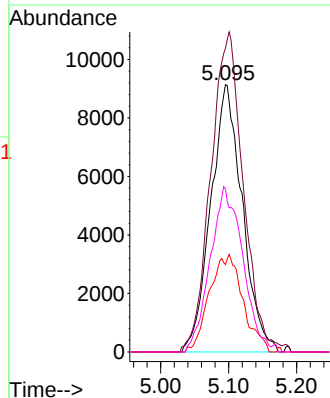
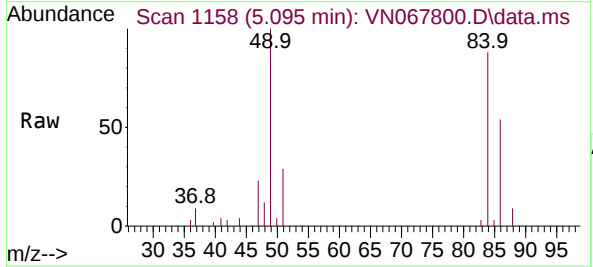
Instrument :
MSVOA_N
ClientSampled :

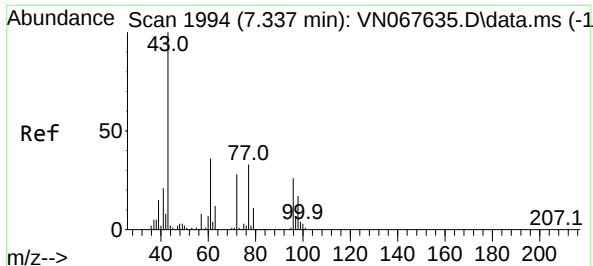
Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.0



#20
Methylene Chloride
Concen: 7.895 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.005 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 84 Resp: 29474
Ion Ratio Lower Upper
84 100
49 113.6 110.9 166.3
51 32.7 32.6 49.0
86 60.9 51.6 77.4

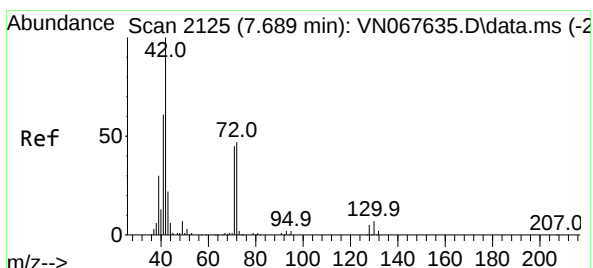
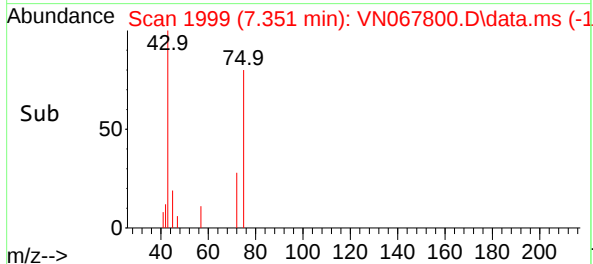
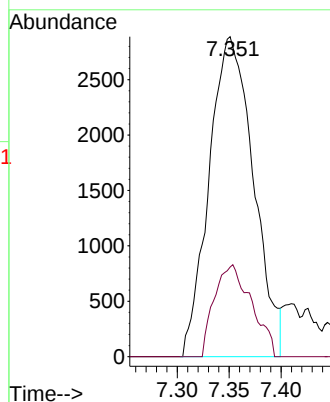
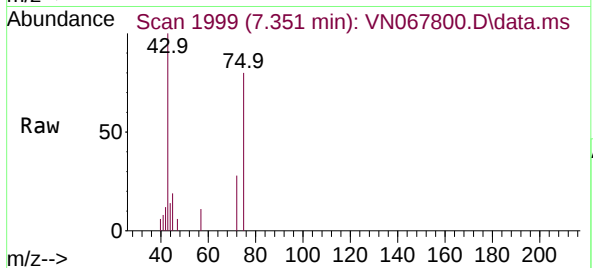




#25
2-Butanone
Concen: 3.468 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

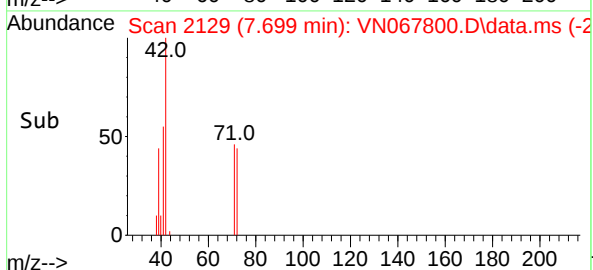
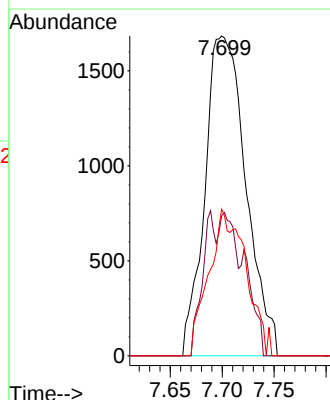
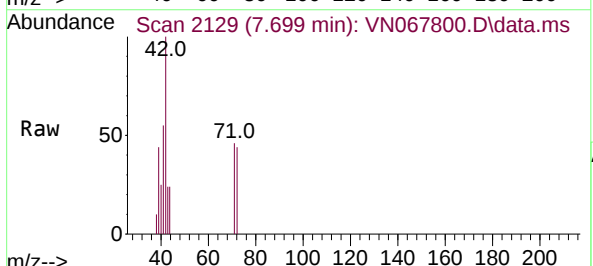
Instrument :
MSVOA_N
ClientSampled :

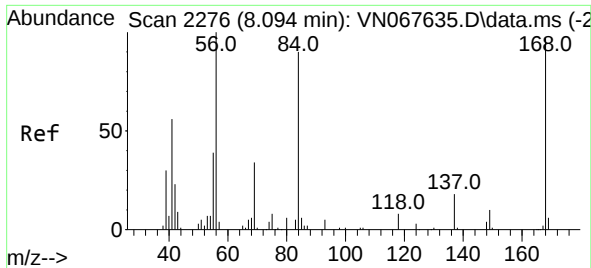
Tgt Ion: 43 Resp: 8573
Ion Ratio Lower Upper
43 100
72 28.0 19.7 29.5



#29
Tetrahydrofuran
Concen: 2.849 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 42 Resp: 4631
Ion Ratio Lower Upper
42 100
72 15.1 32.8 49.2#
71 23.4 31.2 46.8#

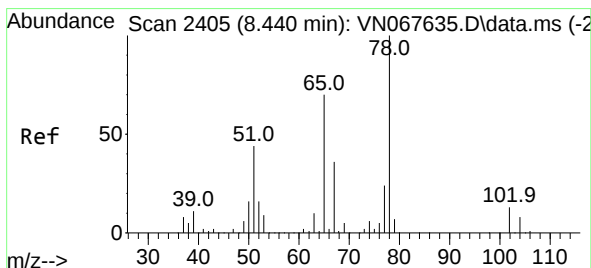
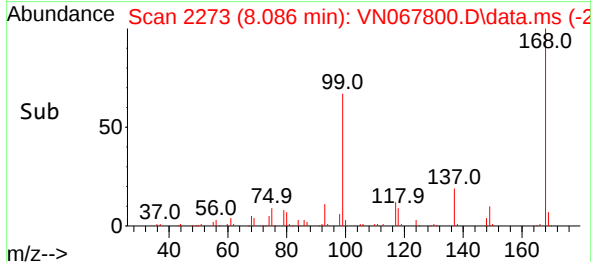
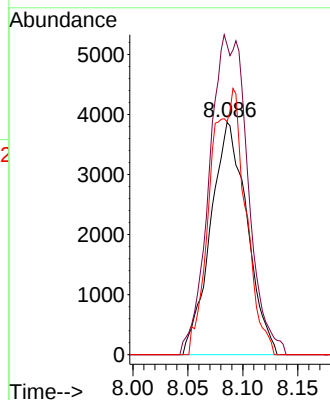
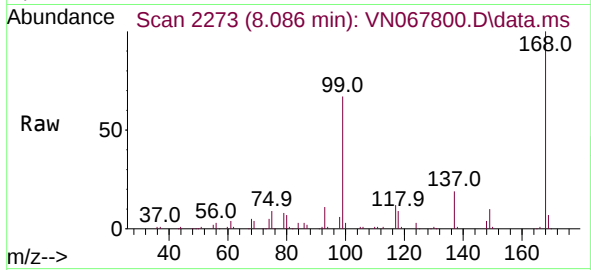




#31
Cyclohexane
Concen: 1.346 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

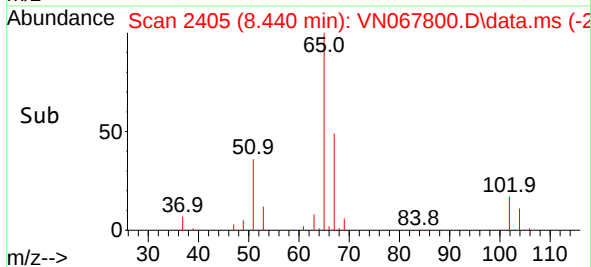
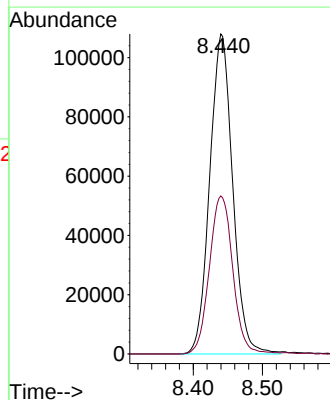
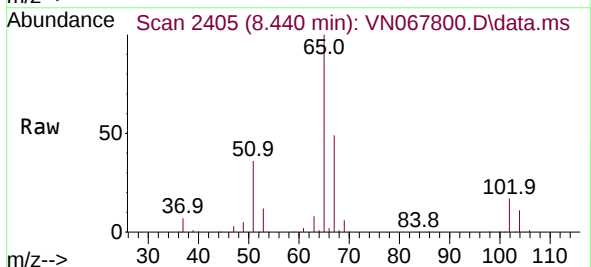
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ClientSampleId :

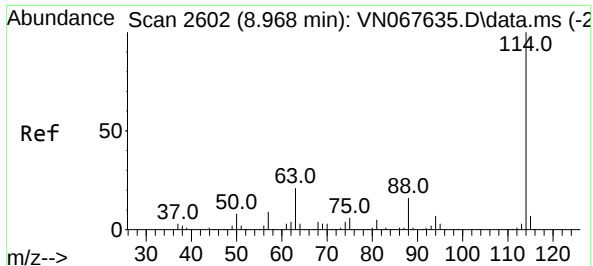
Tgt Ion: 56 Resp: 8926
Ion Ratio Lower Upper
56 100
69 133.3 27.3 40.9#
84 100.2 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.581 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 65 Resp: 248765
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

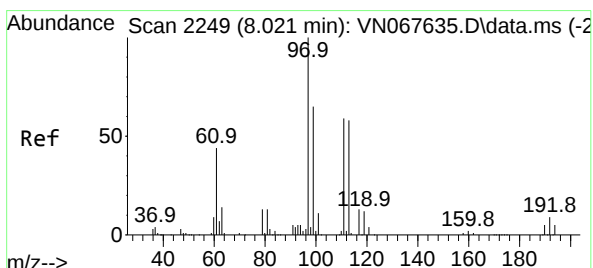
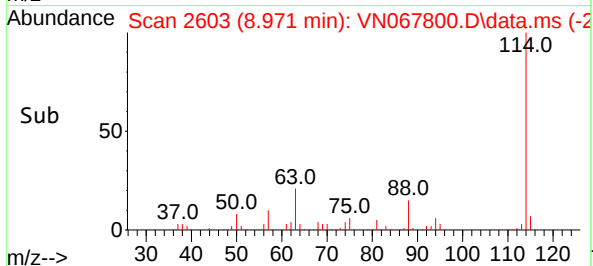
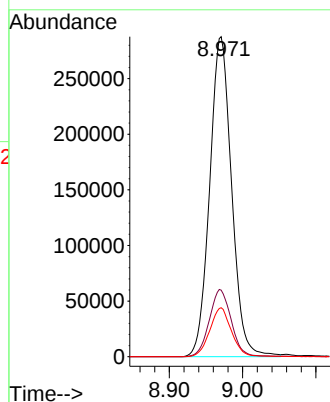
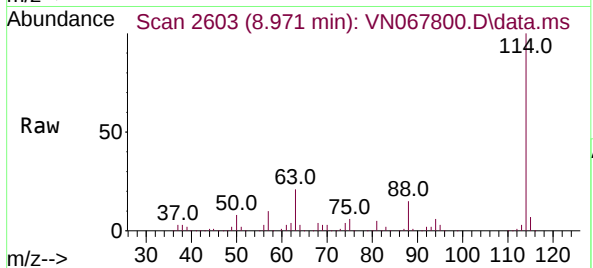
Delta R.T. 0.003 min

Lab File: VN067800.D

Acq: 19 Jul 2021 18:01

Tgt Ion:114	Resp: 597761
Ion Ratio	Lower Upper
114 100	
63 20.8	0.0 49.0
88 15.3	0.0 36.6

Instrument :
MSVOA_N
ClientSampled :



#35

Dibromofluoromethane

Concen: 50.744 ug/l

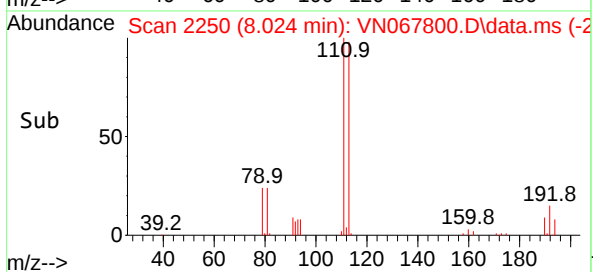
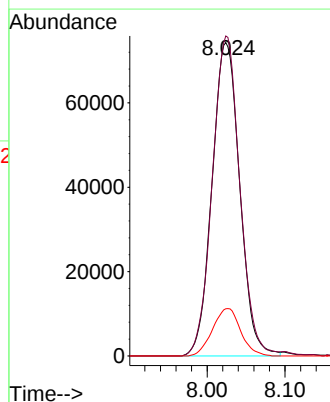
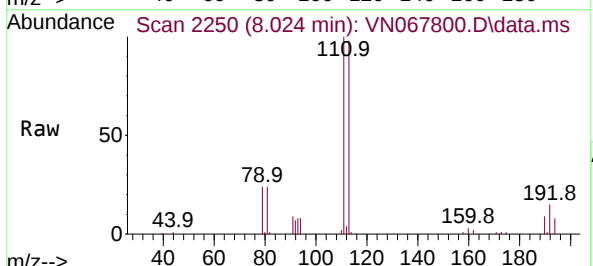
RT: 8.024 min Scan# 2250

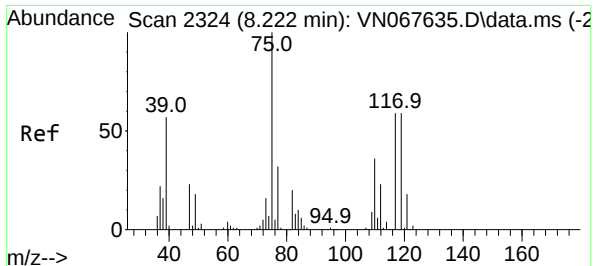
Delta R.T. 0.003 min

Lab File: VN067800.D

Acq: 19 Jul 2021 18:01

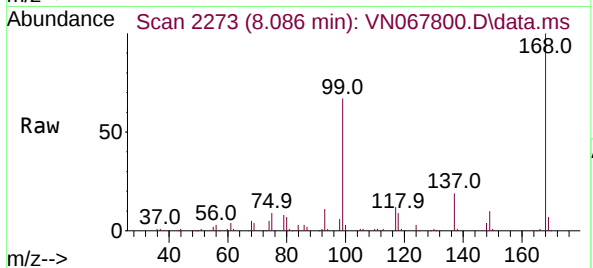
Tgt Ion:113	Resp: 183263
Ion Ratio	Lower Upper
113 100	
111 101.5	83.8 125.8
192 15.4	13.4 20.0



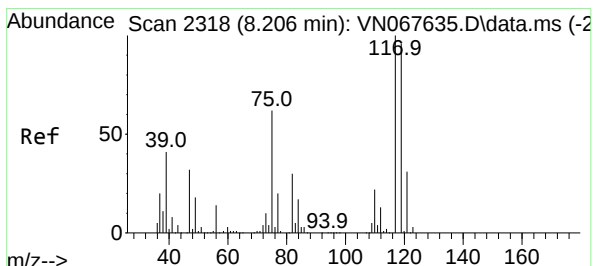
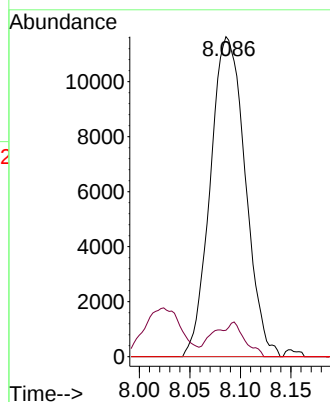
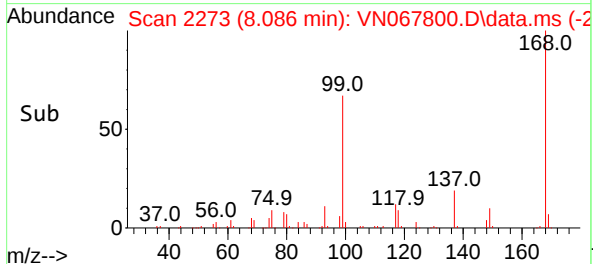


#36
1,1-Dichloropropene
Concen: 5.032 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

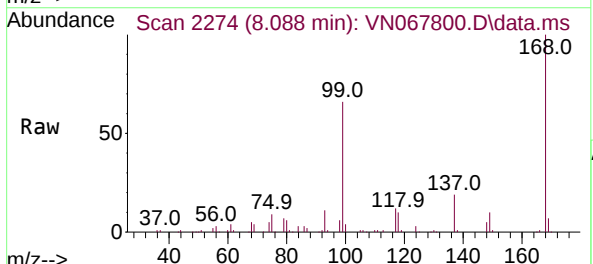
Instrument :
MSVOA_N
ClientSampled :



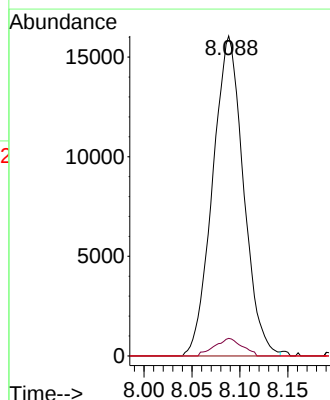
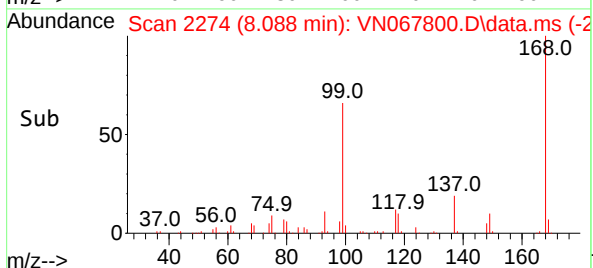
Tgt Ion: 75 Resp: 27941
Ion Ratio Lower Upper
75 100
110 5.1 15.7 47.0#
77 0.0 24.6 37.0#

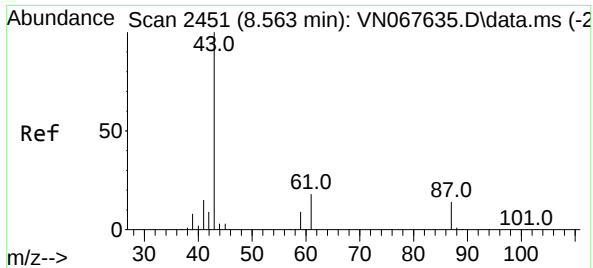


#38
Carbon Tetrachloride
Concen: 6.554 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01



Tgt Ion: 117 Resp: 35896
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#

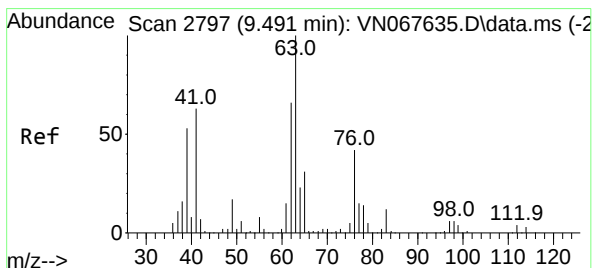
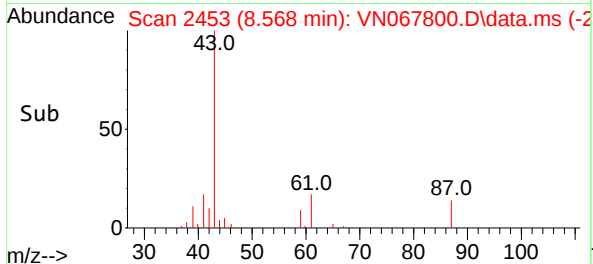
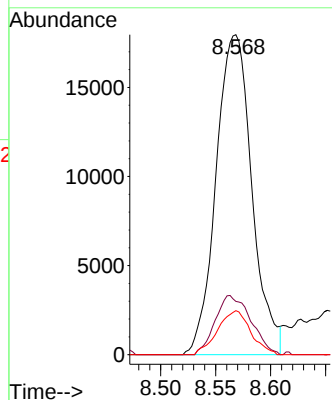
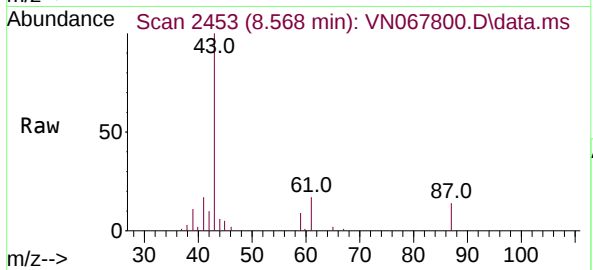




#43
Isopropyl Acetate
Concen: 4.304 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.005 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

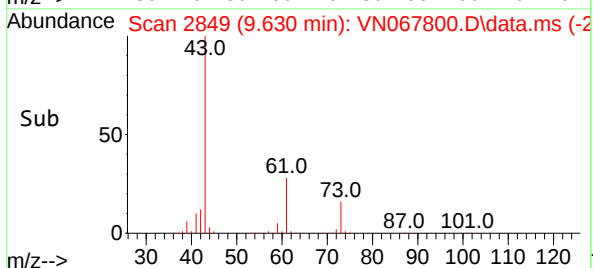
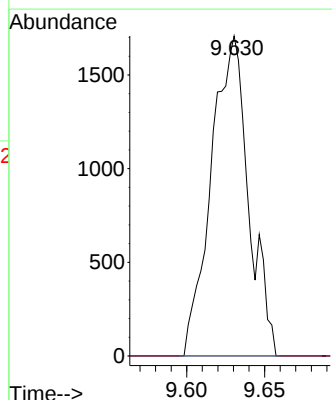
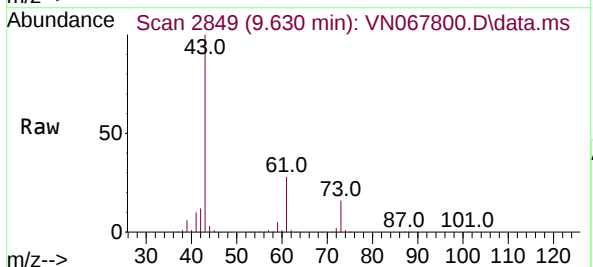
Instrument :
MSVOA_N
ClientSampled :

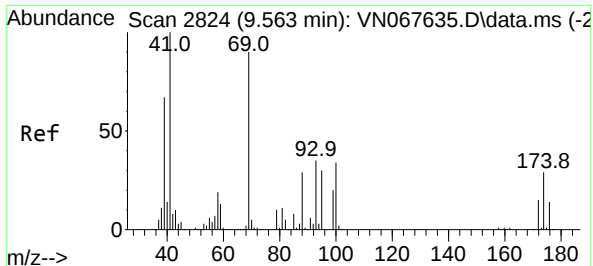
Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.5	19.0	28.4#
87	12.7	9.5	14.3



#45
1,2-Dichloropropane
Concen: 0.679 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.3	36.5#

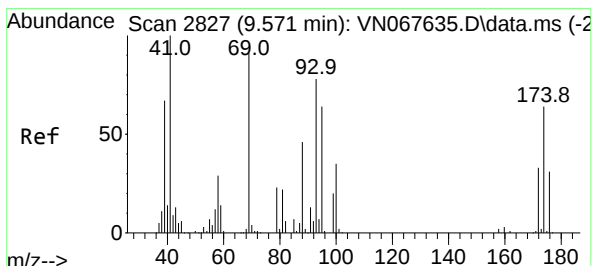
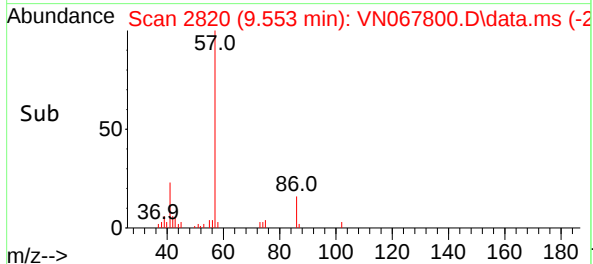
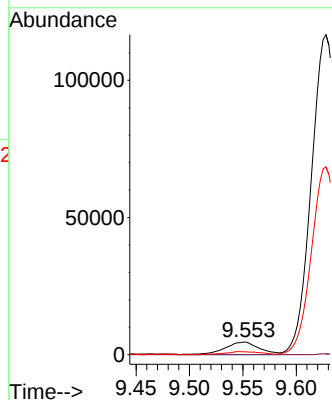
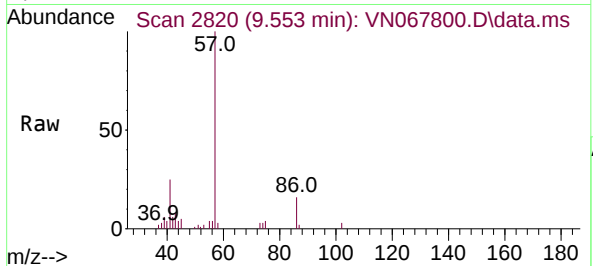




#48
Methyl methacrylate
Concen: 2.478 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.010 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

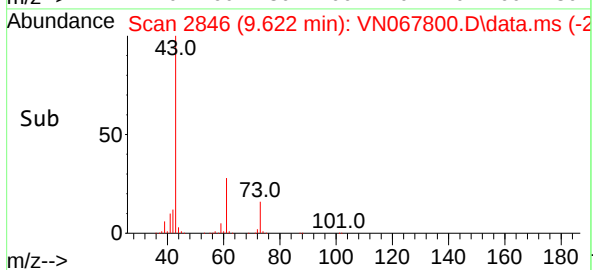
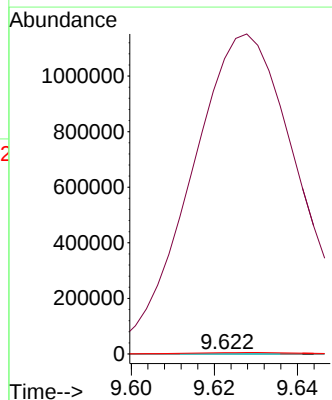
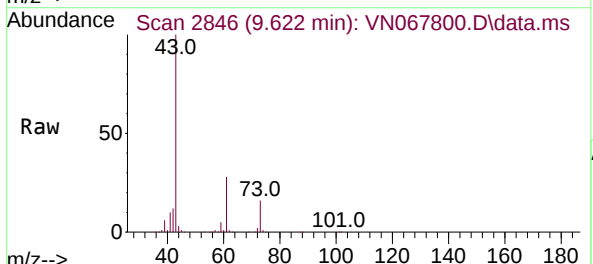
Instrument :
MSVOA_N
ClientSampled :

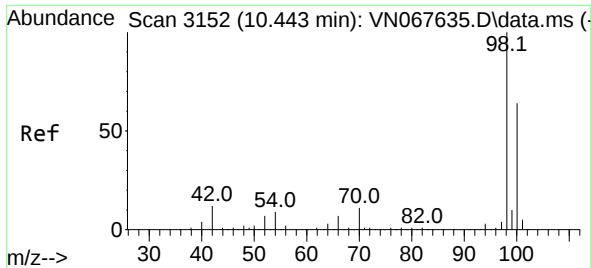
Tgt Ion: 41 Resp: 10374
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 34.760 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.051 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
43 962461.9 28.8 43.2#
58 4190.7 60.4 90.6#

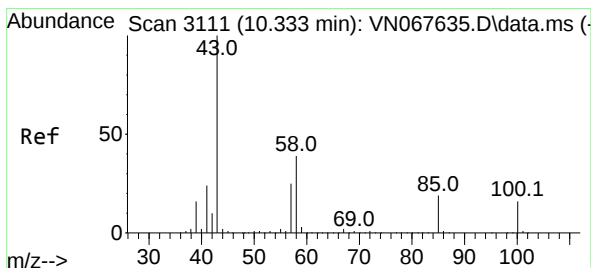
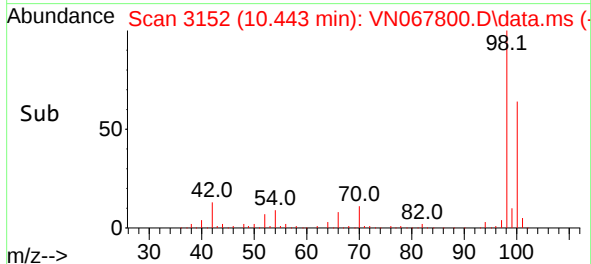
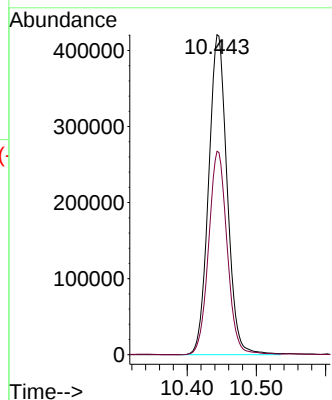
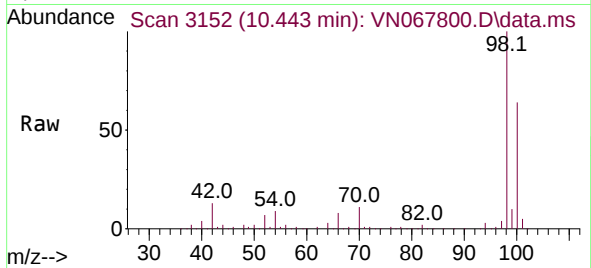




#50
Toluene-d8
Concen: 51.724 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

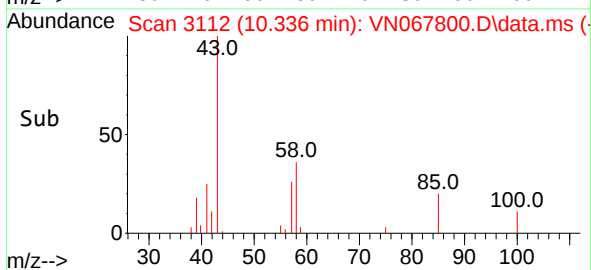
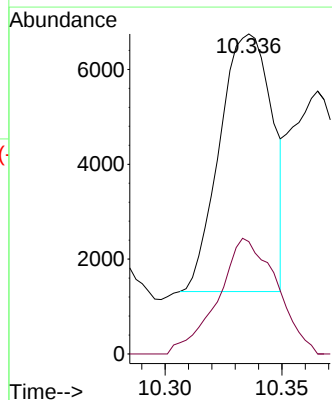
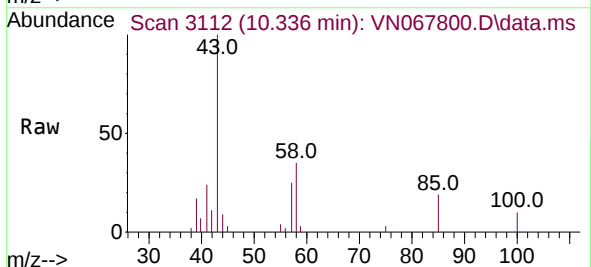
Instrument :
MSVOA_N
ClientSampled :

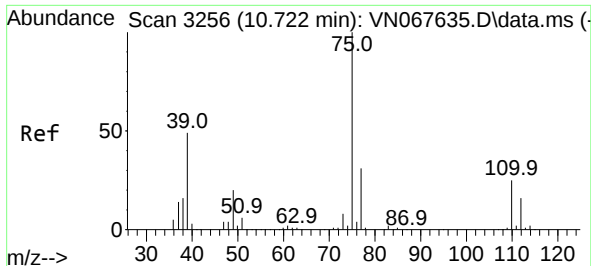
Tgt Ion: 98 Resp: 781912
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.464 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 43 Resp: 8513
Ion Ratio Lower Upper
43 100
58 50.0 28.6 43.0#

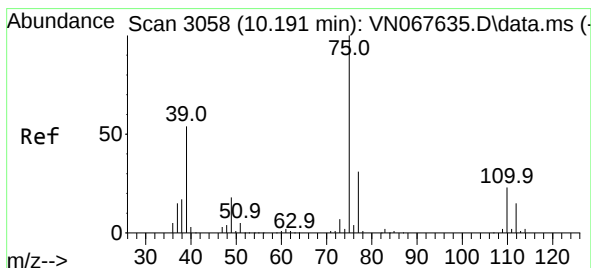
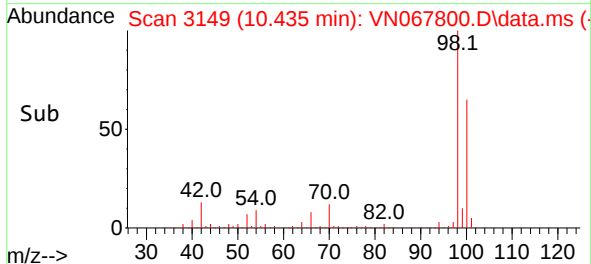
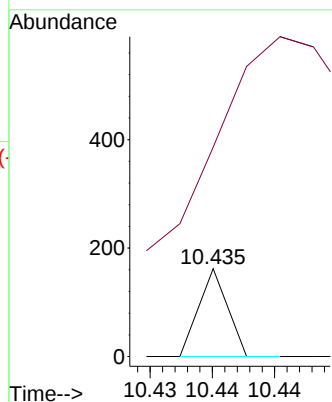
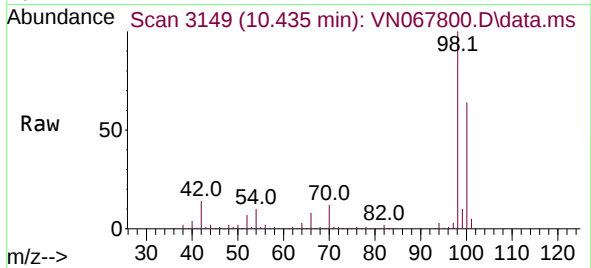




#53
t-1,3-Dichloropropene
Concen: 1.748 ug/l
RT: 10.435 min Scan# 3149
Delta R.T. -0.287 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

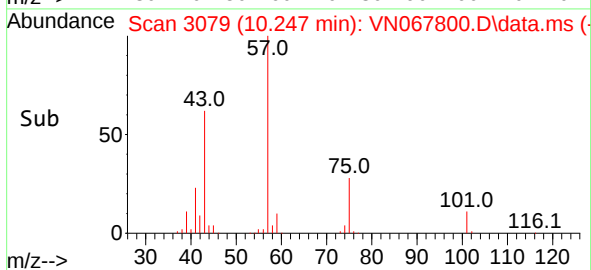
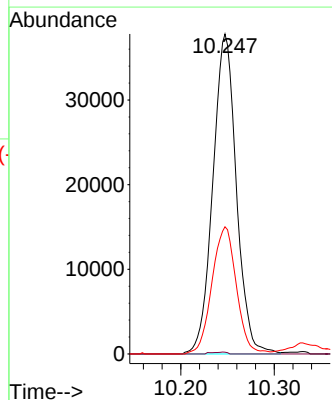
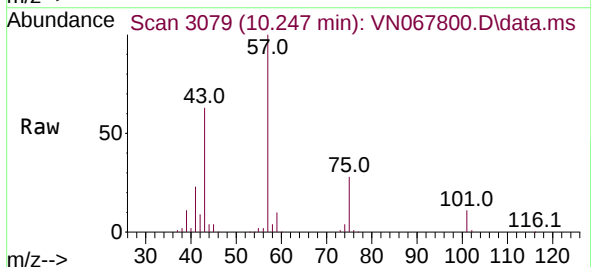
Instrument :
MSVOA_N
ClientSampled :

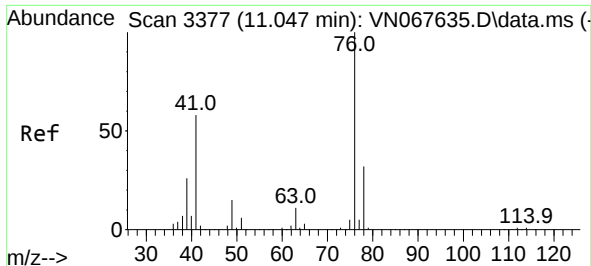
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 87.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 10.190 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 75 Resp: 66150
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 39.7 50.7 76.1#

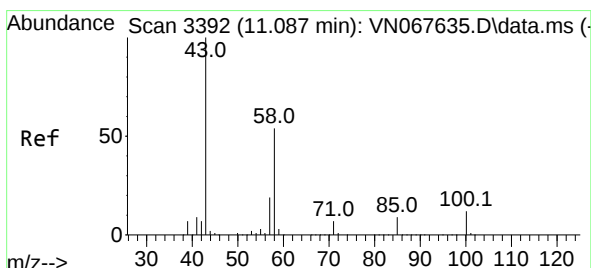
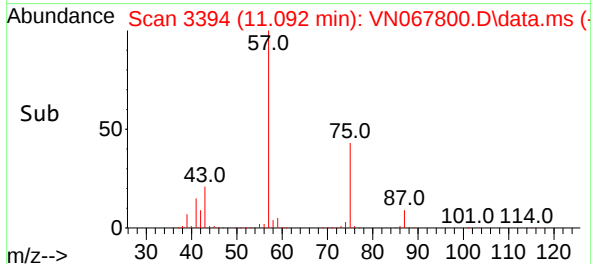
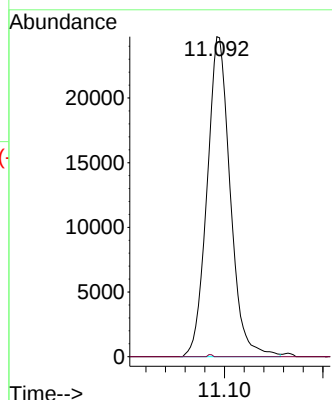
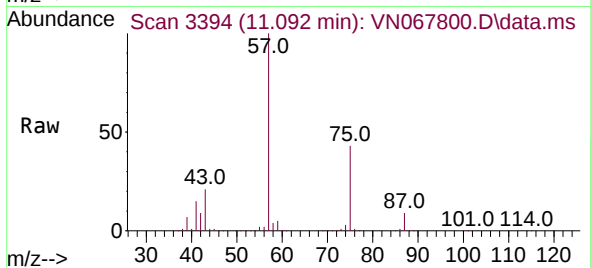




#57
1,3-Dichloropropane
Concen: 5.656 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

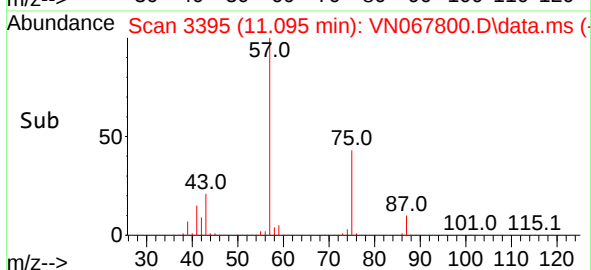
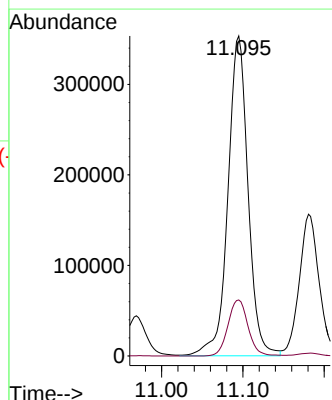
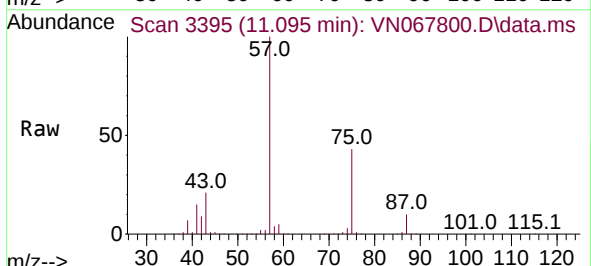
Instrument :
MSVOA_N
ClientSampled :

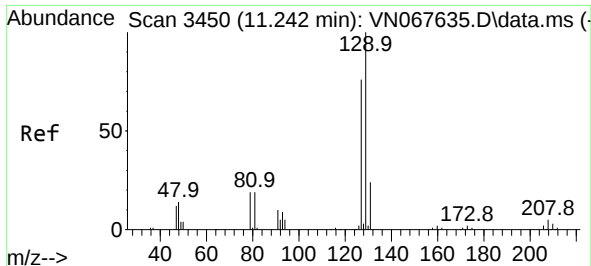
Tgt Ion: 76 Resp: 40467
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 149.709 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 43 Resp: 607561
Ion Ratio Lower Upper
43 100
58 17.5 24.7 74.1#

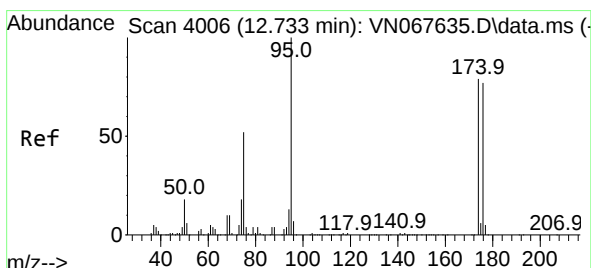
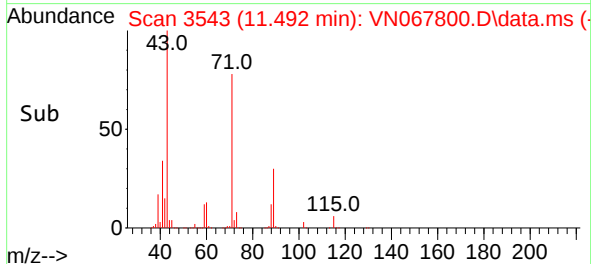
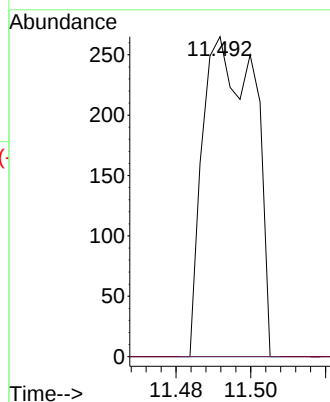
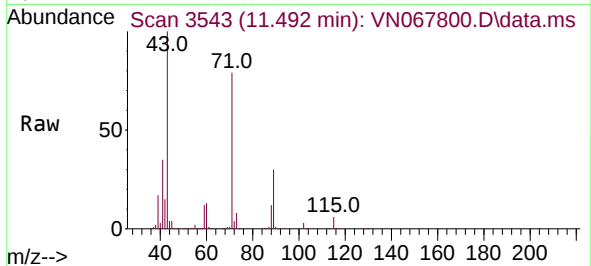




#60
Dibromochloromethane
Concen: 2.404 ug/l
RT: 11.492 min Scan# 3543
Delta R.T. 0.250 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

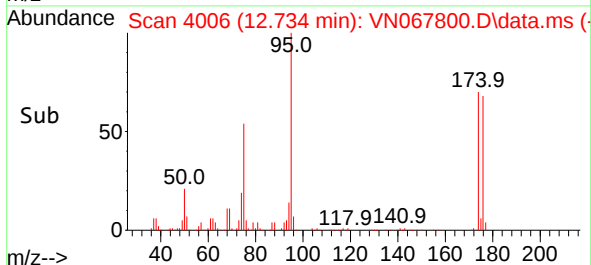
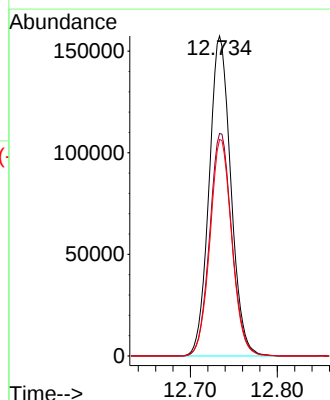
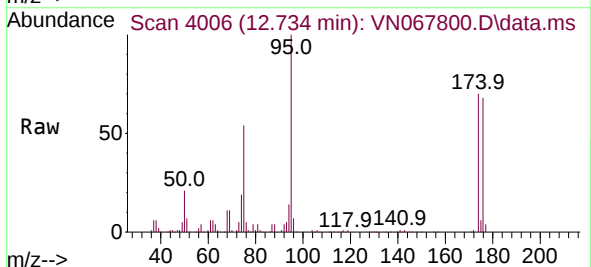
Instrument :
MSVOA_N
ClientSampled :

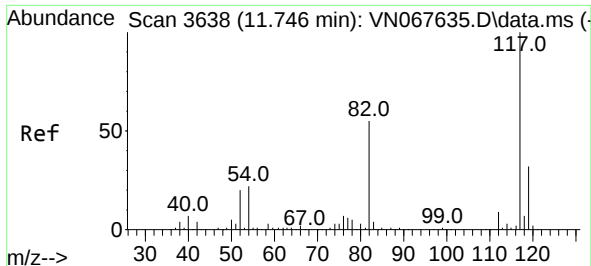
Tgt Ion:129 Resp: 253
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 51.247 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 95 Resp: 273669
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 68.0 0.0 117.6

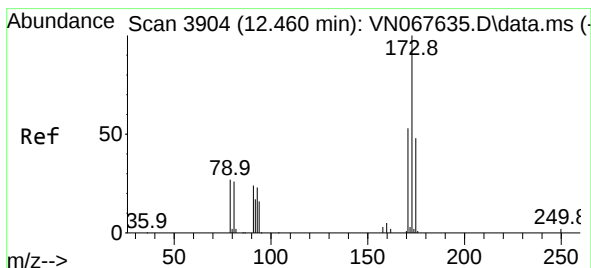
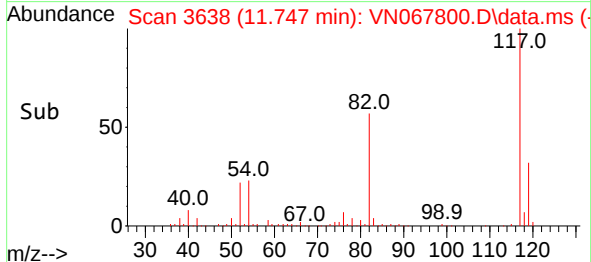
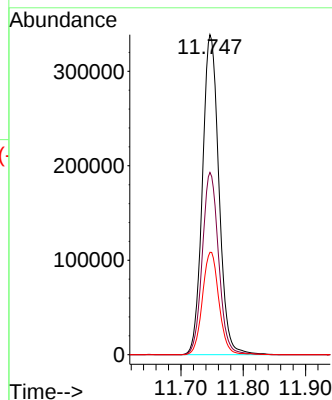
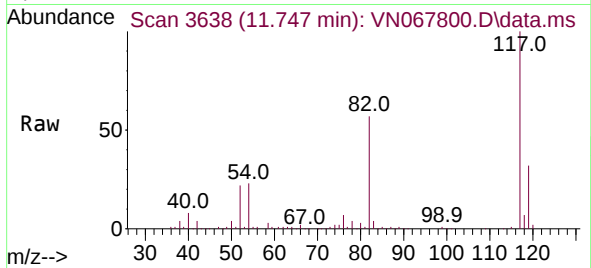




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

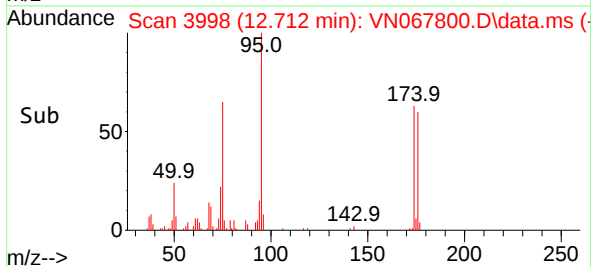
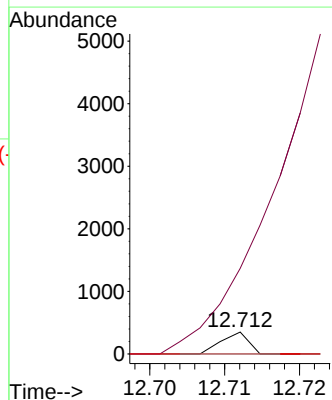
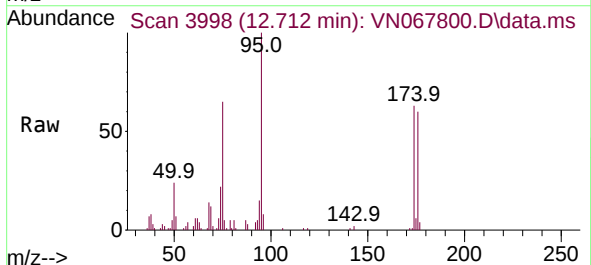
Instrument :
MSVOA_N
ClientSampled :

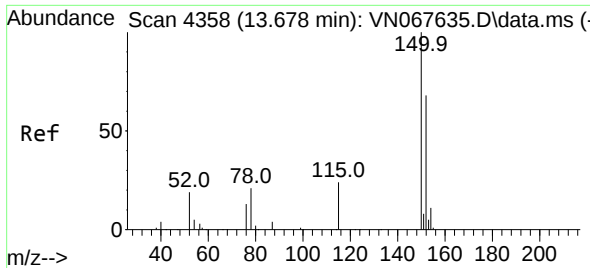
Tgt Ion:117 Resp: 622163
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 32.0 25.5 38.3



#71
Bromoform
Concen: 3.196 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion:173 Resp: 88
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

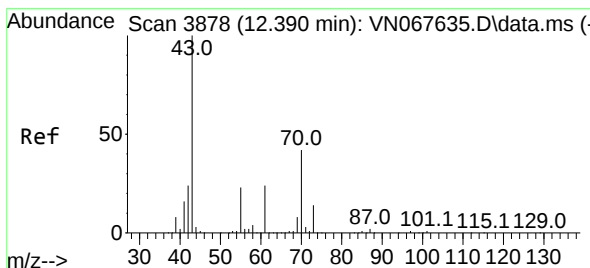
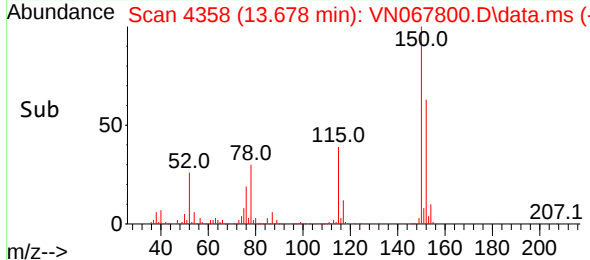
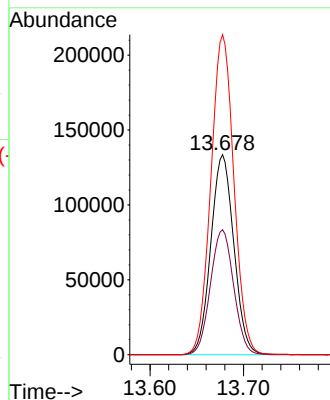
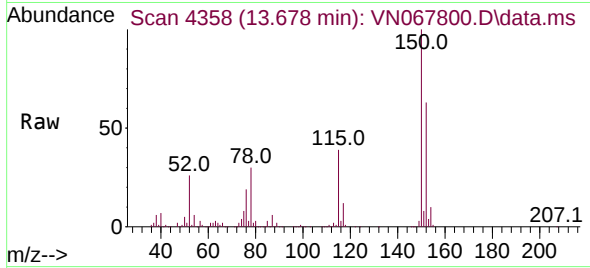




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

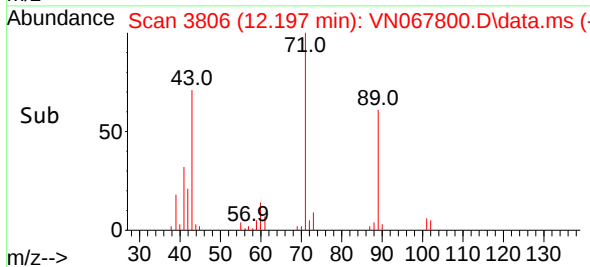
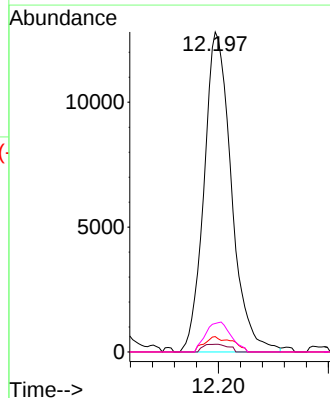
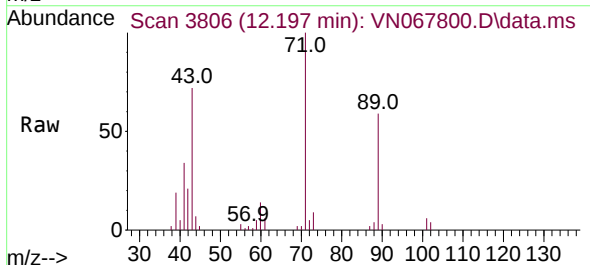
Instrument :
MSVOA_N
ClientSampled :

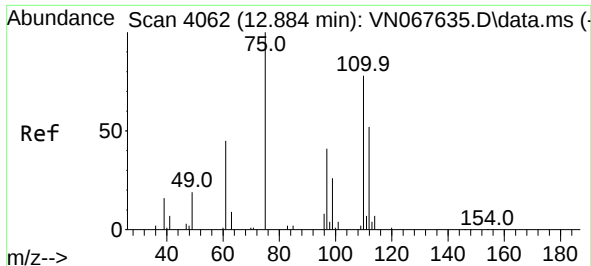
Tgt Ion:152 Resp: 228795
Ion Ratio Lower Upper
152 100
115 63.0 36.1 108.5
150 159.8 0.0 351.8



#74
N-ethyl acetate
Concen: 3.307 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

Tgt Ion: 43 Resp: 22149
Ion Ratio Lower Upper
43 100
70 2.2 29.4 44.2#
55 4.9 17.0 25.4#
61 8.6 17.6 26.4#

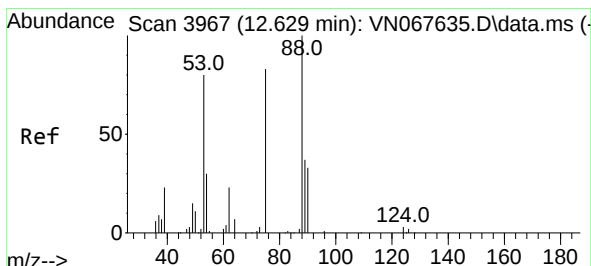
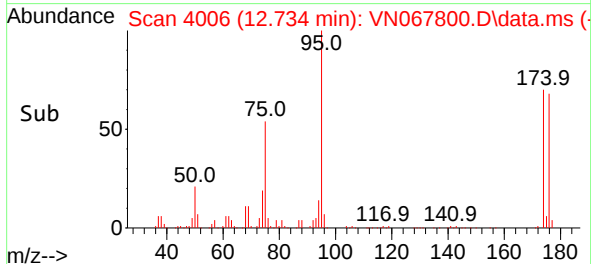
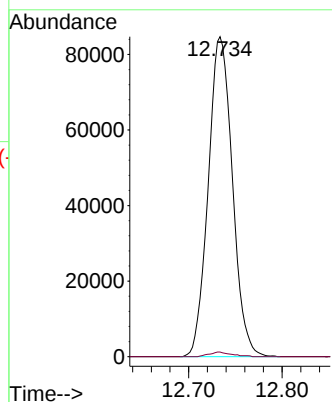
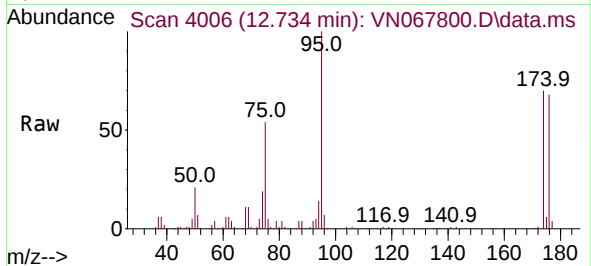




#76
1,2,3-Trichloropropane
Concen: 32.614 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

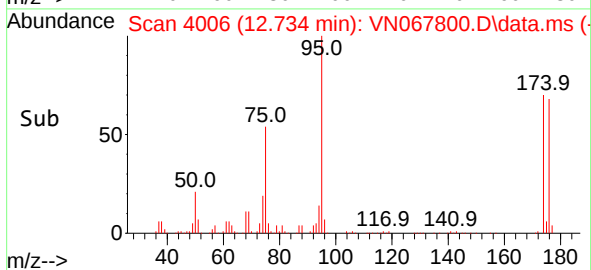
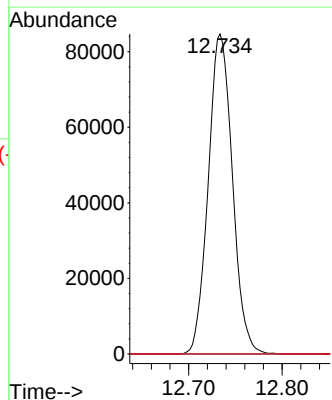
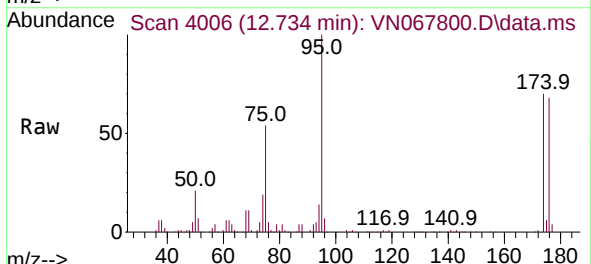
Instrument :
MSVOA_N
ClientSampled :

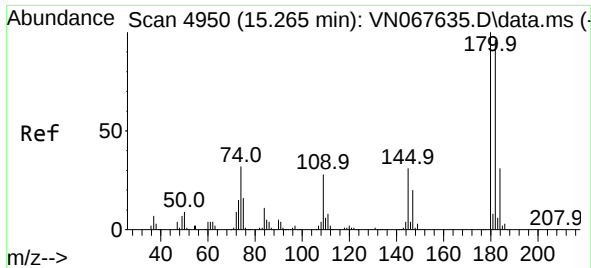
Tgt Ion: 75 Resp: 152387
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.152 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

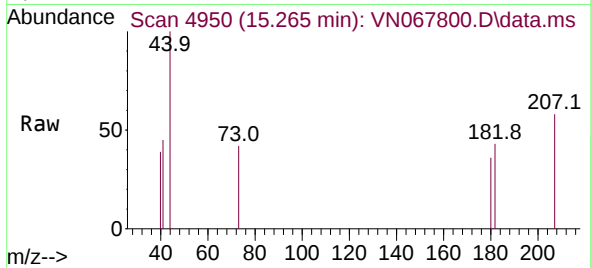
Tgt Ion: 75 Resp: 152387
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



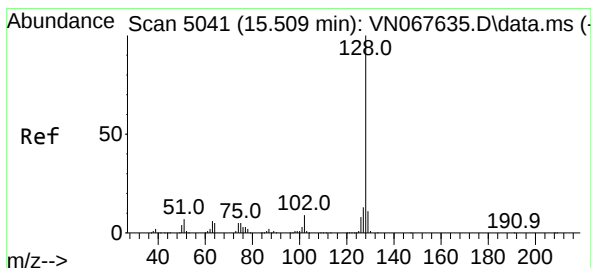
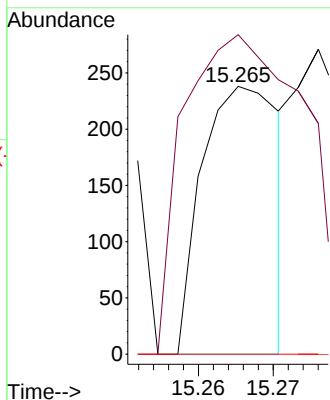
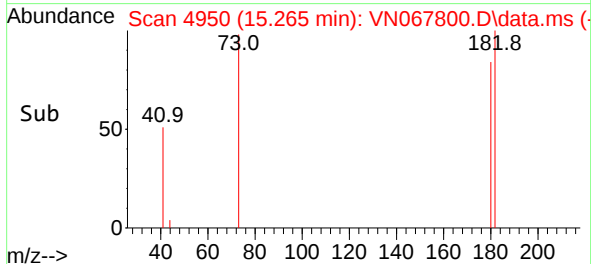


#93
1,2,4-Trichlorobenzene
Concen: 2.717 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01

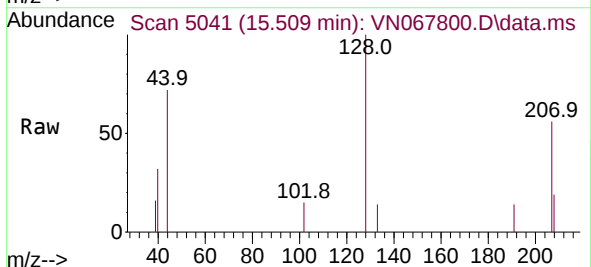
Instrument :
MSVOA_N
ClientSampled :



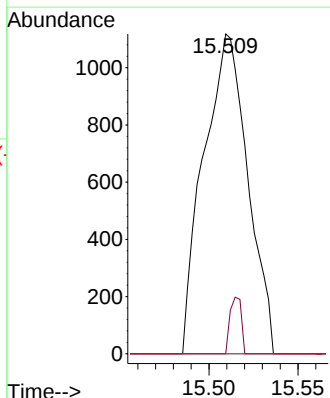
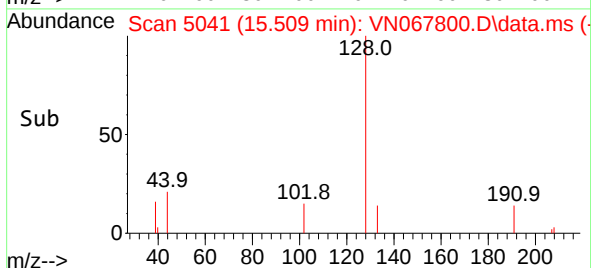
Tgt Ion:180 Resp: 171
Ion Ratio Lower Upper
180 100
182 184.2 47.5 142.5#
145 0.0 17.2 51.6#

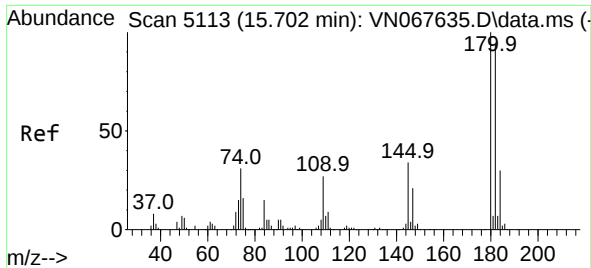


#95
Naphthalene
Concen: 3.174 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067800.D
Acq: 19 Jul 2021 18:01



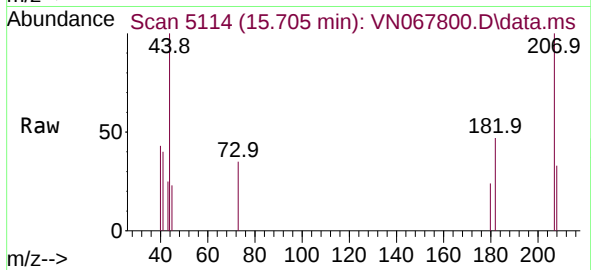
Tgt Ion:128 Resp: 1925
Ion Ratio Lower Upper
128 100
127 4.5 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.646 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067800.D
 Acq: 19 Jul 2021 18:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 52
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 18.2 54.6#

